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PATENT
Attorney Docket No. **INL-052**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):	Mansouri et al.		
SERIAL NO.:	To Be Assigned	GROUP NO.:	To Be Assigned
FILING DATE:	Herewith	EXAMINER:	To Be Assigned
TITLE:	Analytical Instruments, Biosensors and Methods Thereof		

Commissioner for Patents
Washington, D.C. 20231

#6
07
5/30/02

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with the provisions of 37 C.F.R. 1.97 and 1.98, Applicants hereby make of record the patents and publications listed on the accompanying Form PTO-1449, and other information contained herein, for consideration by the Examiner in connection with the examination of the above-identified patent application. Copies of the patents and publications are enclosed.

REMARKS

In accordance with the provisions of 37 C.F.R. 1.97, this statement is being filed (CHECK ONE):

☒ (1) within three (3) months of the **filing date** of a national application other than a continued prosecution application under 37 C.F.R. 1.53(d), or within three (3) months of the **date of entry of the national stage** as set forth in 37 C.F.R. 1.491 in an international application, or before the mailing of the **first Office action** on the merits, or before the mailing of a **first Office action** after the filing of a request for continued examination under 37 C.F.R. 1.114; or

☐ (2) after the period defined in (1) but before the mailing date of a **final action** or a **notice of allowance** under 37 C.F.R. 1.311, and

☐ the requisite Statement is below, **OR**

☐ the requisite fee under 37 C.F.R. 1.17(p), namely **$180.00**, is included herein, or

☐ (3) after the mailing date of a **final action** or **notice of allowance** but before the payment of the **issue fee**, **AND**

☐ the requisite Statement is below, **AND**

☐ the requisite petition fee under 37 C.F.R. 1.17(p), namely **$180.00** is included herein.

It is respectfully requested that each of the patents and publications listed on the attached Form PTO-1449, and other information contained herein, be made of record in this application.

STATEMENT

As required under 37 C.F.R. 1.97(e), Applicant(s), through the undersigned, hereby state either that **[check the appropriate space only if either (2) or (3) is checked on the previous page and the Statement is required]**:

☐ 1. Each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application **not more than three months** prior to the filing of the Information Disclosure Statement; or

☐ 2. No item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this Statement after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to **any individual** designated in 37 C.F.R. 1.56(c) **more than three months** prior to the filing of the Information Disclosure Statement.

Respectfully submitted,

Ronda P. Moore, D.V.M.

Date: May 31, 2001
Reg. No. 44,244

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SHEET 1 of 2

FORM PTO - 1449 INFORMATION DISCLOSURE STATEMENT	ATTORNEY DOCKET NO.: **INL-052 (4643/94)** APPLICANT(S): **Mansouri et al.** SERIAL NO.: **To Be Assigned** FILING DATE: **Herewith** GROUP: **To Be Assigned**

U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	A1	4,355,105	10/19/82	Lantero, Jr.	435	94	3/30/81
	A2	4,390,627	1/28/83	Lantero, Jr.	435	180	10/26/81
	A3	4,551,482	11/5/85	Tschang et al.	521	53	1/23/83
	A4	4,734,184	3/29/98	Burleigh et al.	204	409	2/26/87
	A5	4,760,024	7/26/88	Lantero, Jr.	435	178	1/17/86
	A6	5,286,364	2/15/94	Yacynych et al.	204	418	3/29/91
	A7	5,540,828	7/30/96	Yacynych	204	418	2/15/94
	A8	5,541,097	7/30/96	Lantero et al.	435	188	2/9/95
	A9	6,133,229	10/17/00	Gibson et al.	514	2	

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
	B1	0,133,531 A1	2/27/85	EP			7/31/84		Y
	B2	0,133,531 B1	2/27/85	EP			7/31/84		Y

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.	OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)
	C1 Hart et al., (1999) "Estimation of Lactate in Meat Extracts by Screen-Printed Sensors," Analytica Chimica Acta, Vol, 386, pp. 7-12
	C2 Partel et al., (2000) "Fabrication and Characterization of Disposable Type Lactate Oxidase Sensors for Dairy Products and Clinical Analysis," Sensors and Actuators, Vol., B 67, pp. 134-141
	C3 Andersson et al., (1999) "Protein Stabilising Effect of Polyethyleneimine" Journal of Biotechnology, Vol. 72, pp. 21-31

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OTHER ART, JOURNAL ARTICLES, ETC.

	C4	Chen et al., (1998) "Stability of Oxidases Immobilized in Silica Gels" J. Am. Chem. Soc., Vol. 120, pp. 4582-4585
	C5	Heller et al., (1998) "Loss of Activity or Gain in Stability of Oxidases Upon Their Immobilization in Hydrated Silica: Significant of the Electrostatic Interaction of Surface Arginine Residues at the Entrances of the Reaction Channels" J. Am. Chem. Soc. 1998, Vol. 120, pp. 4586-4590
	C6	Minagawa et al., (1998) "Development of Long Life Lactate Sensor Using Thermostable Mutant Lactate Oxidase" Biosensors and Bioelectronics, Vol. 13, No. 3-4, pp. 313-318
	C7	Yang et al., (1999) "Needle-type Lactate Biosensor" Biosensors and Bioelectronics, Vol. 14, pp. 203-210
	C8	Garcia et al., (1990) "An Immobilization Technique Yielding High Enzymatic Load on Nylon Nets", Biotechnology Techniques, Vol. 4, No. 6, pp. 425-428
	C9	Ghindilis et al., (1994) "Glucose Potentiometric Electrodes Based on Mediatorless Bioelectrocatalysis. A New Approach", Biosensors & Bioelectronics, Vol. 9, pp. 353-357
	C10	Cao et al., (1996) "Enhancing Enzymatic Properties by the Information Method" Applied Biochemistry and Biotechnology, Vol. 59, No. 1
	C11	Emneus et al., (1993) "Comparison Between Different Inorganic Supports for the Immobilization of Amyloglucosidase and a-amylase to Be Used in Enzyme Reactors in Flo-Injections Systems" Analytica Chimica Acta, Vol. 276, pp. 303-318
	C12	Mansouri et al., (1998) "Development of a Glucose Sensor and Its Inclusion in the GEM Blood Analyzer" International Federation of Clinical Chemistry and Laboratory Medicine" OmniPress
	C13	Geise et al., (1991) "Electropolymerized Films to Prevent Interferences and Electrode Fouling in Biosensors" Biosensors & Bioelectronics, Vol. 6, pp. 151-160
	C14	Sasso et al., (1990) "Electropolymerized 1, 2-Diaminobenzene as a Means to Prevent Interferences and Fouling and To Stabilize Immobilized Enzyme in Electrochemical Biosensors" Analytical Chemistry, Vol. 62, No. 11

EXAMINER	DATE CONSIDERED

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